

HDP2 HD-SDI/SDI to DVI-D and Audio Converter



Replaces
Model HDP

The HDP2 is a miniature HD-SDI/SDI to DVI-D converter for digital display devices, such as LCD, DLP, and Plasma monitors or projectors. Using a very high quality scaling engine and de-interlacer, the HDP2 will automatically size 4:3 or 16:9 inputs to many DVI-D monitors. For appropriate monitor configurations, scaling is automatically 1 to 1—for example, displaying 1920x1080 video on a WUXGA (1920x1200) monitor. The HDP2 will also automatically adapt the input frame rate for monitor compatibility. In addition, the HDP2 provides 2 channel audio monitoring and a looping output of the SDI input.

The HDP2 is designed for general monitoring, perfect for use in applications such as: General post-production reference monitoring, Client monitoring, Presentation, Projection, Corporate displays, Kiosk applications ...and much more.

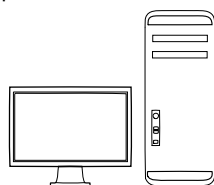
The HDP2 also supports HDMI v1.3a Deep Color (with a DVI to HDMI cable). In the HDMI mode, Deep Color is supported at 30 bits per pixel with 8 channel audio. USB connectivity allows for easy PC/Mac setup and field upgrades.

Features

- HD-SDI/SDI to DVI-D
- HDMI 1.3a support (via DVI-D connector), including:
 - Deep Color 30-bit video (24-bit also supported)
 - 2 or 8 channels of embedded audio
- Automatically adapts to popular LCD/DLP/Plasma monitors (and projectors) up to 1920x1200 and 1080p
- High quality scaling engine for proper display of 4:3 or 16:9 content—even better quality than original HDP
- 1 to 1 scaling for appropriate monitor configurations
- 2 channel RCA analog audio output (user-assignable channels)
- HD-SDI/SDI looping output
- Setup via PC/Mac using USB port and supplied USB cable (USB configuration software application supplied on CD)
- 5 year warranty

Example

Computer with KONA



AJA Breakout Box



DVI-D Monitor (LCD or Plasma)



Many affordable monitors and projectors offer a DVI-D connector. However, most professional broadcast equipment does not come equipped with a DVI-D connector. The AJA HDP2 can convert HD/SD-SDI signals to DVI-D to provide video monitoring on a variety of DVI-D equipped displays and projectors. Note: Video displays with DVI-D are often considered acceptable for general viewing, but not necessarily suitable for color correction purposes.

In this example, an SDI signal is being sent out of a capture card breakout box to the AJA HDP2. The HDP2 is then connected to the monitor via DVI-D cable.

Specifications

Inputs:

- 525i, 625i, 720p 50/59.94/60, 1080i 50/59.94/60, 1080p 23.98/24/25/29.9/30, 1080psF 23.98/24/25, YCbCr 10-bit

Video Inputs:

- HD, and SD-SDI (auto-selected), SMPTE-259/274/292/296, BNC connector

Video Outputs:

- DVI v1.0 / HDMI v1.3a, 4:2:2 YCbCr, 4:4:4 YCbCr/RGB 24/30-bit, DVI-D standard male connector

Audio Outputs:

- RCA-style analog outputs at -10dBV (nominal), 2 channels embedded audio (HDMI mode only), 24 bit, 2 or 8 channels, User assignable channels

Power:

- +5-18 VDC regulated, 5 watts

Size:

- 5.8" x 3.1" x 1 (147mm x 79mm x 25mm)